

IN THE CLAIMS

Claim 1 (Currently amended): A ceramic heater comprising:
a sintered ceramic plate including,
a heating element formed inside the sintered ceramic plate,
a bottomed hole made, being directed from an opposite side to a heating surface for heating an object to be heated, toward the heating surface,
a bottom portion of said bottomed hole formed relatively nearer to the heating surface than the heating element, and
a temperature-measuring element included in said bottomed hole and pressed on the bottom portion of said bottomed hole.

Claim 2 (Currently amended): The ceramic heater according to claim 1,
wherein ~~the~~ a distance between the bottom portion of said bottomed hole and said heating surface is from 0.1 mm to 1/2 of the thickness of the ceramic plate.

Claim 3 (Original): The ceramic heater according to claim 1,
wherein the ceramic constituting said ceramic heater is a nitride ceramic or a carbide ceramic.

Claim 4 (Original): The ceramic heater according to claim 1,
wherein said heating element is divided into at least two circuits.

Claim 5 (Original): The ceramic heater according to claim 1,
wherein said heating element has a section in a flat shape.

Claim 6 (Canceled)

Claim 7 (Canceled)

Claim 8 (Previously Presented): The ceramic heater according to claim 1,
wherein said temperature-measuring element is a sheath type thermocouple.

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Claim 9 (Canceled)

Claim 10 (Currently amended): The ceramic heater according to claim 9 1,
wherein said temperature-measuring element is pressed thereon, by means of an
elastic body or a screw.

Claim 11 (Canceled)

Claim 12 (New) The ceramic heater according to claim 1,
wherein said temperature-measuring element is a thermocouple, and
the size of a connecting portion of the thermocouple is equal to or more than the
diameter of its strand wire, and is 0.5 mm or less.

Claim 13 (New) The ceramic heater according to claim 1,
wherein said bottomed hole is formed by sandblast instrument or drilling.

Claim 14 (New) The ceramic heater according to claim 1,

wherein said heating element is made of tungsten, molybdenum, a carbide of tungsten, or a carbide of molybdenum.

